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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/765,278	01/28/2004	Ki-hyun Kim	1793.1178

CONFIRMATION NO. 7587

FORMALITIES LETTER



OC000000012944203

21171
 STAAS & HALSEY LLP
 SUITE 700
 1201 NEW YORK AVENUE, N.W.
 WASHINGTON, DC 20005

Date Mailed: 06/14/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

08/11/2004 SZEWDIE1 00000022 10765278

FILED UNDER 37 CFR 1.53(b)

01 FC:1001	770.00 OP
02 FC:1051	130.00 OP
03 FC:1201	258.00 OP
04 FC:1202	180.00 OP

*Filing Date Granted***Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$438 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$1338** for a Large Entity

- **\$770** Statutory basic filing fee.
- **\$130** Late oath or declaration Surcharge.

- Total additional claim fee(s) for this application is \$438
 - \$258 for 3 independent claims over 3.
 - \$180 for 10 total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

*A copy of this notice **MUST** be returned with the reply.*

M-MAIHE

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



USPTO TO PROVIDE ELECTRONIC ACCESS TO CITED U.S. PATENT REFERENCES WITH OFFICE ACTIONS AND CEASE SUPPLYING PAPER COPIES

In support of its 21st Century Strategic Plan goal of increased patent e-Government, beginning in June 2004, the United States Patent and Trademark Office (Office or USPTO) will begin the phase-in of its E-Patent Reference program and hence will: (1) **provide downloading capability of the U.S. patents and U.S. patent application publications cited in Office actions** via the E-Patent Reference feature of the Office's Patent Application Information Retrieval (PAIR) system; and (2) **cease mailing paper copies of U.S. patents and U.S. patent application publications with Office actions** (in applications and during reexamination proceedings) except for citations made during the international stage of an international application under the Patent Cooperation Treaty (PCT). In order to use the new E-Patent Reference feature applicants must: (1) obtain a digital certificate and software from the Office; (2) obtain a customer number from the Office; and (3) properly associate patent applications with the customer number. Alternatively, copies of all U.S. patents and patent application publications can be accessed without a digital certificate from the USPTO web site, from the USPTO Office of Public Records, and from commercial sources. The Office will continue the practice of supplying paper copies of foreign patent documents and non-patent literature with Office actions. Paper copies of cited references will continue to be provided by the USPTO for international applications during the international stage.

Schedule

June 2004	TCs 1600, 1700, 2800 and 2900
July 2004	TCs 3600 and 3700
August 2004	TCs 2100 and 2600

All U.S. patents and U.S. patent application publications are available on the USPTO web site. However, a simple system for downloading the cited U.S. patents and patent application publications has been established for applicants, called the E-Patent Reference system. As E-Patent Reference and Private PAIR require participating applicants to have a customer number, retrieval software and a digital certificate, all applicants are strongly encouraged to contact the Patent Electronic Business Center to acquire these items. To be ready to use this system by June 1, 2004, contact the Patent EBC as soon as possible by phone at 866-217-9197 (toll-free), 703-305-3028 or 703-308-6845 or electronically via the Internet at ebc@uspto.gov.

Other Options

The E-Patent Reference function requires the applicant to use the secure Private PAIR system, which establishes confidential communications with the applicant. Applicants using this facility must receive a digital certificate, as described above. Other options for obtaining patents which do not require the digital certificate include the USPTO's free Patents on the Web program (<http://www.uspto.gov/patft/index.html>). The USPTO's Office of Public Records also supplies copies of patents for a fee (<http://ebiz1.uspto.gov/oems25p/index.html>). Commercial sources also provide U.S. patents and patent application publications.

For complete instructions see the Official Gazette Notice, USPTO TO PROVIDE ELECTRONIC ACCESS TO CITED U.S. PATENT REFERENCES WITH OFFICE ACTIONS AND CEASE SUPPLYING PAPER COPIES, on the USPTO web site.

- Total additional claim fee(s) for this application is **\$438**
 - **\$258** for **3** independent claims over 3.
 - **\$180** for **10** total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts
Commissioner for Patents
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A copy of this notice MUST be returned with the reply.

M - HAIKE

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PART 1 - ATTORNEY/APPLICANT COPY



S&H Form: PTO/SB/17 (10/03)

RESPONSE TO NOTICE TO FILE MISSING PARTS	Attorney Docket No.	1793.1178
	Application Number	10/765,278
	Filing Date	January 28, 2004
	First Named Inventor	Ki-hyun KIM et al.
	Group Art Unit	

Title:	METHOD OF GENERATING PARITY DATA BASED ON LOW-DENSITY PARITY CHECK MATRIX AND APPARATUS THEREFOR
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Pursuant to 37 C.F.R. § 1.53(f) and in response to the U.S. Patent and Trademark Office Notice to File Missing Parts of Nonprovisional Application mailed June 14, 2004 for the above-identified application, enclosed are the following:

- ☒ RETURN COPY of Notice to File Missing Parts of Nonprovisional Application
- ☒ Executed Combined Declaration/Power of Attorney executed by the inventor(s) for completing the missing parts of the subject application. The undersigned registered attorney states that the subject application is the application which the inventor(s) executed by signing the attached Declaration.
- ☐ Formal Drawings (___ Sheets; Figs ____)
- ☐ English-language translation of application (with Translator's Statement (pages ___))
- ☐ Verified Statement Claiming Small Entity Status

Enclosed is a payment of the following:

- ☒ The filing fee as set forth in 37 C.F.R. § 1.16(a) \$ 770.00
- ☒ The additional claim(s) fee (10 claims over 20) \$ 180.00
- ☒ The additional independent claim(s) fee (3 claims over 3) \$ 258.00
- ☐ Multiple dependent claims \$
- ☐ Petition for Extension of Time (___-month) \$
- ☒ Assignment Recordation fee \$40.00
- ☒ Surcharge as set forth in 37 C.F.R. § 1.16(e) \$130.00

SUBTOTAL FEES: \$1378.00

- ☐ Reduction by 50% for filing by small entity (37 CFR 1.27) .00

SUBTOTAL FEES: \$1378.00

TOTAL FEES DUE: \$1378.00

Since the Notice to File Missing Parts of Nonprovisional Application set an original due date of August 14, 2004, petition is hereby made for an extension to cover the date this reply is filed for which the requisite fee is enclosed (1 month (\$110)); (2 months (\$420)); (3 months (\$950)); (4 months (\$1,480)); (5 months (\$2,010)):

METHOD OF PAYMENT

- ☒ Check enclosed as payment.
☐ Charge "TOTAL FEES DUE" to the Deposit Account No. 19-3935, below.

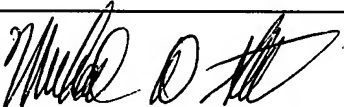
AUTHORIZATION

- ☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees under 37 CFR 1.16 or 1.17 necessary to maintain pendency of the present application to:

Deposit Account No.: 19-3935

Deposit Account Name: STAAS & HALSEY LLP

SUBMITTED BY: STAAS & HALSEY LLP

Typed Name	Michael D. Stein	Reg. No.	37,240
Signature		Date	August 10, 2004